

Bmk. No. A-31
Assistant Chief Engineer, Diesel, WJ-4742-14

MAJOR DUTIES

Serves as Assistant Chief Engineer on a self-propelled, sea-going diesel powered, hopper dredge engaged in continuous 24 hours per day/7 days per week dredging activities. As the Assistant Chief Engineer, serves as senior watchstander and relieves superior of the necessity of immediately directing engine room activities during days when tours overlap. In absence of Chief Engineer, is fully responsible for the management of the Engine Department. (80%)

1. Supervises and directs the activities of 18-20 subordinate licensed and unlicensed employees engaged in the servicing, operation, maintenance, and repair of all engines, machinery, systems, and auxiliary equipment assigned to the Engine Department. Incumbent plans, schedules, lays-out, and directs both the long-term and day-to-day activities of subordinates; establishes and posts watch schedules, keeps records of employees' work hours, requests any necessary overtime, and certifies work hours for payroll. Issues oral and/or written orders and instructions to key subordinate supervisors outlining work to be performed; may provide supplemental guidance or personal attention on projects of an unusual or especially difficult nature. Provides and/or obtains training for subordinates as needed. Is responsible for the maintenance of employee morale and discipline; rates and/or participates in the rating of employee performance; initiates disciplinary action and award recommendations as appropriate. Is required to be knowledgeable and aware of all applicable safety regulations and requirements; provides safety training and encourages safe working practices; remains observant for potential safety hazards and promotes accident prevention activities. Participates, as required, in employee selection and promotion programs; provides equal opportunity for all employees supervised, regardless of race, color, religion, sex, handicap, age, or national origin; affords minorities and women full consideration in employment and in personnel policies and practices.

2. In the absence of the Chief Engineer, assumes responsibility for the continued management and direction of the Engine Department. Serves as the technical expert and advisor to the Master and the district staff on matters pertaining to the on-site operation, maintenance, and repair of engine room machinery and related equipment on the dredge. If necessary, plans and directs the accomplishment of major and/or emergency repairs; provides input in the development of plans for shipyard repairs and refit of equipment, machinery, and items assigned to the Engine Department. Inspects repair work of subordinates, contractors, shipyard workers, etc., to assure that it has been satisfactorily accomplished and that machinery and equipment has been satisfactorily accomplished and that machinery and equipment are in good and safe operating condition. Periodically inspects watertight doors and other safety systems and equipment to assure efficient operation. Requisitions major items of plant, parts, equipment, etc., required for stock or emergency repair use.

3. When Chief Engineer is aboard, serves as senior watchstander and "second in command" of the Engine Department. Incumbent is in immediate charge of the routine direction of the day-to-day operations of the engine room and its personnel. Stands a regular watch during which he oversees the activities of other watchstanders engaged in the surveillance, operation, maintenance and repair of engine room equipment and machinery such as engines, generators, pumps, motors, and auxiliary machinery (i.e., air conditioning, waste disposal,

heating, etc.). Is the primary point of contact for subordinate watchstanders to report problems or request technical guidance or decision; supervises and/or personally performs the more difficult repair work not requiring the attention of the Chief Engineer. Assures that subordinates on all watches effectively accomplish assigned responsibilities; monitors work of watchstanders and conducts regular and/or special inspections of engine room and other workspaces to assure that proper servicing of equipment is performed. Oversees the requisition, issue, and use of tools, parts, operating supplies, etc., required by the Engine Department for day-to-day operations.

Performs other duties as assigned.

SKILLS AND KNOWLEDGES

Must possess license as Chief Engineer, Diesel, any horsepower. In addition to the skills and knowledge implicit in the attainment of a Coast Guard License, must possess the ability to understand the principles of operation of an automated engine room monitoring system. Must understand the marine machinery and the basic welding skills. Must be able to develop a knowledge of regulations for personnel administration and procurement of supplies.

RESPONSIBILITIES

Works under the general supervision of the Chief Engineer and under the administrative direction of the Master or Assistant Master. Incumbent follows general policies, plans, and practices developed in consultation with the Chief Engineer; however, has wide latitude exercising independent technical judgment and supervisory initiative in overseeing Engine Department operations. Normal maintenance and routine repairs are generally directed independently; however, incumbent may consult with the Chief Engineer and/or District technical staff when non-standard repair situations occur which could require special authorization or supplemental instruction. Technical guidance and assistance is not normally required, but is available if needed. Work is reviewed and appraised in terms of incumbent's technical skills and ability to effectively provide continuity of management and leadership over the Engine Department during the absence of the Chief Engineer.

WORKING CONDITIONS

Incumbent is exposed to abnormal heat, dirty and greasy equipment, and moving machinery. Is subject to burn by hot pipes or escaping steam. There is the constant hazard of boat traffic and, in the event of a collision, there is the danger of being thrown against moving equipment, and the danger of drowning if the vessel takes in water. Incumbent works regularly in areas where noise exceeds 80 decibels. Incumbent is exposed to the effects of paints, acids and solvents.

PHYSICAL DEMANDS

Incumbent is required to exert moderate to heavy physical effort in handling engine room equipment. Incumbent must possess color perception in order to perform troubleshooting and repair work on the full range of equipment.